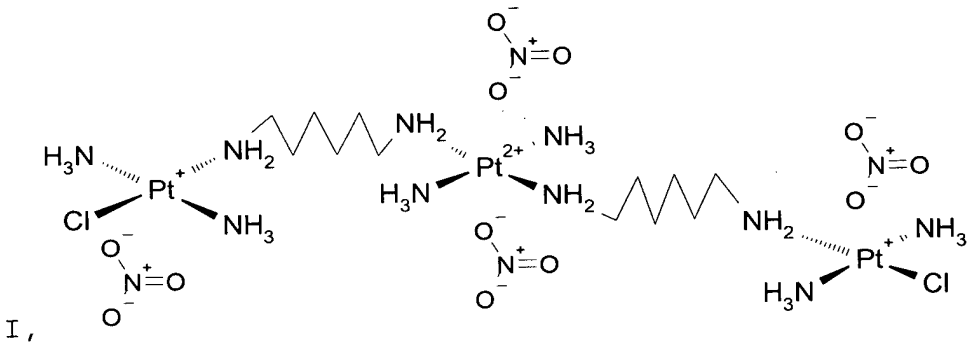
IN THE CLAIMS

1. (previously presented) Solid Lipid Nanoparticles of a platinum complex characterized by anionic ligands and ligands containing amino groups.

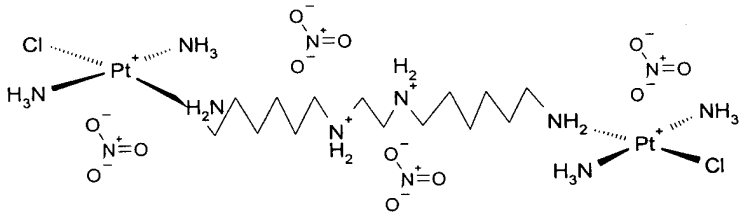
2. (currently amended) The Solid Lipid Nanoparticles of a platinum complex of ~~according to~~ claim 1 selected from the group consisting of trans-{bis[trans(diammine)(chloro)platinum (II) (μ-1,6-hexanediamine)]}diammineplatinum tetranitrate salt of formula I,



I,

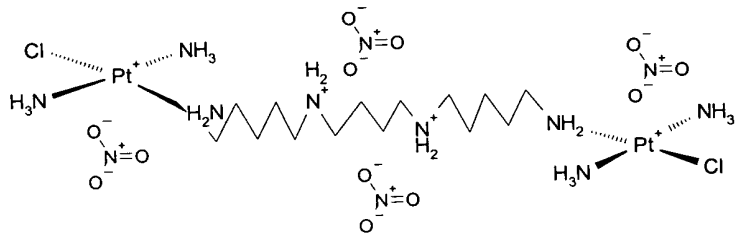
Formula I

bis{trans(diammine)(chloro)platinum(II)}μ-(1,16-diamino-7,10-diazahexadecane-N1,N16) dinitrate salt, $2HNO_3$ of formula II,



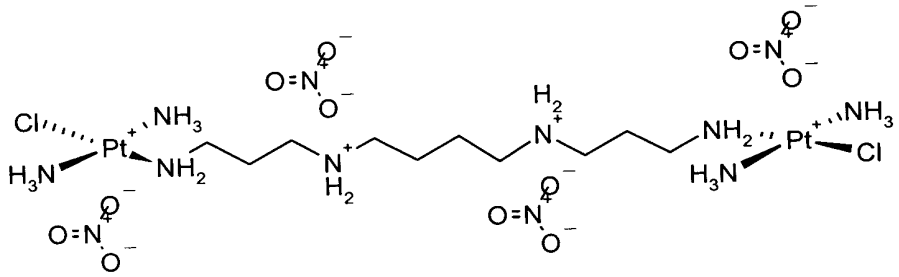
Formula II

bis{trans(diammine)(chloro)platinum(II)}μ-(1,16-diamino-6,11-diazahexadecane-N1,N16) dinitrate salt$\cdot$ $2HNO_3$ of formula III,



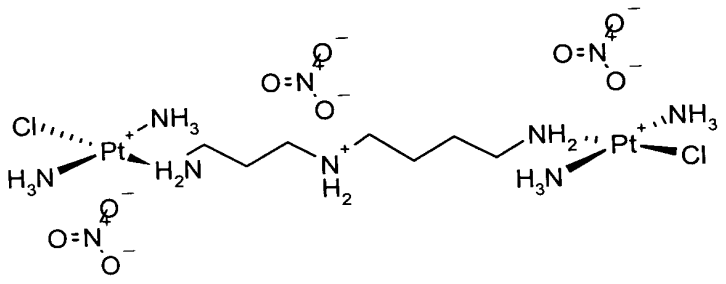
Formula III

bis{trans(diammine)(chloro)platinum(II)}-μ-(1,12-diamino-4,9-diazadodecane-N^1,N^{12}) dinitrate salt$\cdot$ $2HNO_3$ of formula IV,



Formula IV

and bis{trans(diammine)(chloro)platinum (II)}-μ-(1,8-diamino-4-azaoctane-N^1,N^8) dinitrate salt$\cdot$ HNO_3 of formula V$\cdot$



Formula V.

3. (currently amended) The Solid Lipid Nanoparticles of a platinum complex of~~according to~~ claim 1 ~~or 2~~ obtainable by a process comprising:

a. preparing a first microemulsion by mixing a molten lipid, a surfactant, and optionally a co-surfactant and an aqueous solution of the platinum ~~compound aequeous solution~~;

b. preparing a solution by mixing a surfactant and optionally a co-surfactant in water, heating to complete solution, preferably at the same melting temperature of the lipid used in a) and adding a co-surfactant;

c. dispersing the microemulsion obtained in a) into the solution obtained in b) obtaining a multiple microemulsion c);

d. dispersing the microemulsion obtained in c) in aqueous medium at a temperature ranging from 0.5°C to 4°C obtaining a dispersion of solid lipid microspheres; and

e. washing with aqueous medium through ultrafiltration the obtained lipid microspheres obtained in d) and lyophilizing, optionally in the presence of

a bulking agent and of a cryoprotecting agent.

4. (currently amended) A process for the preparation of the Solid Lipid Nanoparticles of a platinum complex of claims 1-~~2~~, comprising:

a. preparing a first microemulsion by mixing a molten lipid, a surfactant, and optionally a co-surfactant and an aqueous solution of the platinum complex~~compound acqueous solution~~;

b. preparing a solution by mixing a surfactant and optionally a co-surfactant in water, heating to complete solution, preferably at the same melting temperature of the lipid used in a) and adding a co-surfactant;

c. dispersing the microemulsion obtained in a) into the solution obtained in b) obtaining a multiple microemulsion c);

d. dispersing the microemulsion obtained in c) in aqueous medium at a temperature ranging from 0.5°C to 4°C obtaining a dispersion of solid lipid microspheres; and

e. washing with aqueous medium through ultrafiltration the obtained lipid microspheres obtained in d) and lyophilizing, optionally in the presence of a bulking agent and of a cryoprotecting agent.

5. (currently amended) A ~~Pharmaceutical~~ pharmaceutical compositions comprising the ~~solid~~ Solid ~~lipid~~ Lipid ~~nanoparticles~~ Nanoparticles of a platinum complex of claims 1-~~3~~.

6. (currently amended) A method of treating a patients affected by cancer sensitive to platinum complexes,

which comprises administering to said patients a therapeutically effective amount of the ~~solid~~ Solid ~~lipid~~ Lipid ~~nanoparticles~~ Nanoparticles of a platinum complex of claims ~~1-3~~.